

CLAIMS

We claim:

1. A method for synchronizing data in first and second computer servers, the first computer server including a first plurality of data sets each having a first identifier and a first set of attributes, and the second computer server including a second plurality of data sets each having a second identifier and a second set of attributes, the method comprising:

transmitting a second identifier and a second checksum value both associated with one of the second plurality of data sets to the first computer server;

accessing one of the first plurality of data sets having a first identifier corresponding to the transmitted second identifier to determine a first checksum value associated with the accessed data set; and,

when the first checksum value is not equal to the transmitted second checksum value, transmitting the one of the first plurality of data sets from the first computer server to the second computer server to replace a second set of attributes of the one of the second plurality of data sets with the first set of attributes of the one of the first plurality of data sets.

2. The method of claim 1 wherein the one of the first plurality of data sets includes the first set of attributes associated with one of a physical network element, a software event, and a logical operator.

3. The method of claim 1 wherein the first checksum value is calculated by the first computer server using the first set of attributes associated with the one of the first plurality of data sets.

4. The method of claim 1 further comprising transmitting the first checksum value to the second computer server to replace the second checksum value in the second computer server with the first checksum value.

5. The method of claim 1 wherein the one of the first plurality of data sets is formatted differently than the one of the second plurality of data sets.

6. The method of claim 1 wherein the first plurality of data sets includes at least one data set that does not correspond to any of the second plurality of data sets.

7. A networked system, comprising:

a first computer server and a second computer server operably communicating with one another, the first computer server configured to store a first plurality of data sets each having a first identifier and a first set of attributes, and the second computer server configured to store a second plurality of data sets each having a second identifier and a second set of attributes;

the second computer server further configured to transmit a second identifier and a second checksum value both associated with one of the second plurality of data sets to the first computer server;

the first computer server further configured to access one of the first plurality of data sets having a first identifier that corresponds to the transmitted second identifier to determine a first checksum value associated with the accessed data set; and,

the first computer server further configured to transmit the one of the first plurality of data sets from the first computer server to the second computer server to replace a second set of attributes of the one of the second plurality of data sets with the first set of attributes of the one of the first plurality of data sets when the first checksum value is not equal to the transmitted second checksum value.

8. The networked system of claim 7 wherein the one of the first plurality of data sets includes a first set of attributes associated with one of a physical network element, a software event, and a logical operator.

9. The networked system of claim 7 wherein the first checksum value is calculated by the first computer server using the a first set of attributes associated with the one of the first plurality of data sets.

10. The networked system of claim 7 wherein the first computer is further configured to transmit the first checksum value to the second computer server to replace the second checksum value in the second computer server with the first checksum value.

11. The networked system of claim 7 wherein the one of the first plurality of data sets is formatted differently than the one of the second plurality of data sets.

12. The networked system of claim 7 wherein the first plurality of data sets includes at least one data set that does not correspond to any of the second plurality of data sets.